A.F.

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A method for constructing a recombinant adenovirus vector of about 38 kb comprising an adenovirus genome DNA of about 33-34 kb and an expression cassette of about 4-5 kb, which comprises:

(i) constructing a recombinant cosmid/adenovirus vector of about 45 kb by inserting a DNA sequence of about 7 kb and the expression cassette of about 4-5 kb into the adenovirus genome DNA at a deletion site of ~~either~~ an E1 region or ~~an~~ both E1 and E3 regions of the adenovirus genome DNA, wherein the DNA sequence of about 7 kb consists of a cosmid sequence having recombinase recognition sequences at both ends and outer sequences extended from outer sides of the recombinase recognition sequences, and at least one of the outer sequences has a cloning site for insertion of the expression cassette;

(ii) cotransfecting the recombinant cosmid/adenovirus vector and a recombinase-expression vector into cells producing adenovirus E1 protein; and

(iii) deleting the cosmid vector sequence from the recombinant cosmid/adenovirus vector but retaining the outer sequences therein, to produce the recombinant adenovirus vector of about 38 kb comprising the adenovirus genome DNA of about 33-34 kb and the outer sequences into which the expression cassette of about 4-5 kb is inserted.

2. (Original) The method according to claim 1, wherein the recombinase is Cre recombinase and the recognition sequences thereof are loxP sequences.

3. (Original) The method according to claim 1, wherein the recombinase is FLP recombinase and the recognition sequences thereof are FRT sequences.

4. (Previously presented) The method according to claim 1, wherein the cells producing adenovirus E1 protein are a 293 cell line derived from human fetal kidney cells.